1. Amendments to the Claims:

1. (Currently Amended) A method for producing a ready-mix soil material, comprising the steps of:

(a) crushing earth material excavated from a work site;

(b) sieving the earth material after crushing so as to obtain raw soil material; and

(c) mixing metered amounts of the raw soil material and at least one strength-enhancing additive in an automated manner so as to obtain the ready-mix soil material,

wherein the method further includes, prior to step (c),

analyzing samples of the raw soil material in terms of clay, sand, and gravel contents,

with reference to results of analysis of the samples, preparing ready-mix soil material formulations having different mechanical properties by varying amounts of the raw soil material and said at least one strength-enhancing additive, and

establishing a database for the ready-mix soil material formulations.

2. Cancelled.

3. (Currently Amended) The method as claimed in Claim 1 ~~2~~ , wherein the metered amounts in step (c) are determined with reference to the database.

4. (Original) The method as claimed in Claim 1, wherein, in step (c), the raw soil material is optionally further mixed with at least one of an additive soil material having a high sand content, and an additive soil material having a high clay content.

5. (Original) The method as claimed in Claim 1, wherein crushing of the earth material in step (a) is conducted after subjecting the earth material to a drying treatment.

6. (Original) The method as claimed in Claim 5, wherein the drying treatment includes exposing the earth material to sunlight.

7. (Original) The method as claimed in Claim 1, wherein, in step (c), the raw soil material is optionally further mixed with a suitable amount of water.

8. (Original) The method as claimed in Claim 1, wherein, in step (b), particles having dimensions larger than 5 cm are removed from the earth material to result in the raw soil material.

9. (Original) The method as claimed in Claim 1, wherein the strength-enhancing additive used in step (c) is selected from the group consisting of a solidifying agent, a cementing agent, a water-reducing agent, and an early-strength agent.

10. Cancelled.

11. (Currently Amended) The method as claimed in Claim 13 ~~10~~, further comprising, prior to step (c),

analyzing samples of the raw soil materials in terms of the clay, sand, and gravel contents thereof.

12. (Currently Amended) The method as claimed in Clam 13 ~~10~~, further comprising, prior to step (d),

preparing ready-mix soil material formulations having different mechanical properties by varying amounts of the mixed soil material and said at least one strength-enhancing additive, and

establishing a database for the ready-mix soil material formulations.

13. (Currently Amended) A method for producing a ready-mix soil material, comprising the steps of:

(a) crushing earth materials excavated from different work sites;

(b) sieving the earth materials after crushing so as to obtain different raw soil materials;

(c) mixing the raw soil materials to obtain a mixed soil material having desired clay, sand and gravel contents; and

(d) mixing metered amounts of the mixed soil material and at least one strength-enhancing additive in an automated manner so as to obtain the ready-mix soil material,

wherein the method further includes, prior to step (d), preparing ready-mix soil material formulations having different mechanical properties by varying amounts of the mixed soil material and said at least one strength-enhancing additive, and

establishing a database for the ready-mix soil material formulations, and

wherein the metered amounts in step (d) are determined with reference to the database.

14. (Currently Amended) A method for producing a ready-mix soil material, comprising the steps of:

(a) crushing earth materials excavated from different work sites;

(b) sieving the earth materials after crushing so as to obtain different raw soil materials;

(c) mixing the raw soil materials to obtain a mixed soil material having desired clay, sand and gravel contents; and

(d) mixing metered amounts of the mixed soil material and at least one strength-enhancing additive in an automated manner so as to obtain the ready-mix soil material,

~~The method as claimed in Claim 10,~~ wherein, in step (c), the raw soil materials are optionally further mixed with at least one of an additive soil material having a high sand content, and an additive soil material having a high clay content.

15. (Currently Amended) A method for producing a ready-mix soil material, comprising the steps of:

(a) crushing earth materials excavated from different work sites;

(b) sieving the earth materials after crushing so as to obtain different raw soil materials;

(c) mixing the raw soil materials to obtain a mixed soil material having desired clay, sand and gravel contents; and

(d) mixing metered amounts of the mixed soil material and at least one strength-enhancing additive in an automated manner so as to obtain the ready-mix soil material,

~~The method as claimed in Claim 10,~~ wherein the mixed soil material is one of:

a material having a clay content of about 60 wt%, a sand content of about 40 wt%, and a gravel content less than 5 wt%;

a material having a clay content of about 40 wt%, a sand content of about 60 wt%, and a gravel content less than 5 wt%, and

a material having a clay content of about 20 wt%, a sand content of about 80 wt%, and a gravel content less than 10 wt%.

16. (Currently Amended) A method for producing a ready-mix soil material, comprising the steps of:

(a) crushing earth materials excavated from different work sites;

(b) sieving the earth materials after crushing so as to obtain different raw soil materials;

(c) mixing the raw soil materials to obtain a mixed soil material having desired clay, sand and gravel contents; and

(d) mixing metered amounts of the mixed soil material and at least one strength-enhancing additive in an automated manner so as to obtain the ready-mix soil material.

~~The method as claimed in Claim 10,~~ wherein crushing of the earth materials in step (a) is conducted after subjecting the earth materials to a drying treatment.

17. (Original) The method as claimed in Claim 16, wherein the drying treatment includes exposing the earth materials to sunlight.

18. (Currently Amended) The method as claimed in Claim 13 ~~10~~, wherein, in step (d), the mixed soil material is optionally further mixed with a suitable amount of water.

19. (Currently Amended) The method as claimed in Claim 13 ~~10~~, wherein the strength-enhancing additive used in step (d) is selected from the group consisting of a solidifying agent, a cementing agent, a water-reducing agent, and an early-strength agent.